



United States Steel Corporation
Clairton Works
400 State Street
Clairton, PA 15025

42-075-00102
003-00032

October 28, 2015

Ms. Karen M. Sagel
Allegheny County Health Department
Department of Air Quality
301 Thirty-Ninth Street
Pittsburgh, PA 15201

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Air Protection Division

Subject: USS Reference Number: 15-0317 Termination
ACHD Reference Number: 19483
Sulfur Plant
USS Clairton Works

Dear Karen M. Sagel:

The attached form terminates the subject incident and satisfies the requirements of paragraph IV.8 of the Title V operating permit #0052 as issued on March 27th 2012.

I certify that based on the information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete. Any questions concerning this matter should be referred to Jonelle S. Scheetz at 412-233-1015.

Sincerely,

Michael S. Rhoads
Plant Manager
Clairton Works

cc: James W. Hagedorn (USEPA)

NOTICE OF BREAKDOWN OF EQUIPMENT
ARTICLE XXI - SECTION 2108.1

1. USS Reference Number: 15-0317 Termination
ACHD Reference Number: 19483
2. Date & Time of Breakdown: Date: 10/20/15 Time: 1829 hours
3. Company Name: U.S. Steel Corporation - USS Clairton Works
4. Specific Equipment Involved or Affected: Sulfur Plant
5. BAPC Permit Number (if applicable):
6. Location: Clairton, PA
7. Nature and cause of breakdown: Blockage occurred in the rich solution of the 101-E Absorber at the 100 Vacuum Carbonate Unit. As a result, the 40 grain H₂S limit at the Sulfur Plant was momentarily exceeded. The 600 Vacuum Carbonate Unit was placed into service at 2130 hours on 10/20/15.
8. Identification of Emissions:
 - A. Type(s) (CO, NOX, SO₂, Particulates, Hydrocarbons, etc.)
Elevated H₂S in the down river gas line system, causing increased SO₂ at points of combustion.
 - B. Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality). SO₂ is an eye, nose, and throat irritant.
 - C. Amount of each type emitted (or likely to be emitted).
Light
9. Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).
The 600 Vacuum Carbonate Unit was placed into service at 2130 hours on 10/20/15. The 100 Vacuum Carbonate Unit was unavailable for service while the repairs are completed to remove the absorber blockage.
10. Facility back in operation - Date: 10/27/15 Time: 1300 hours

Reviewed by Jonelle S. Scheetz Date 10/28/15
Jonelle S. Scheetz
Environmental Control Engineer Phone: 412-233-1015